



Surface anatomy of musculoskeletal system

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OBJECTIVES

- Palpate and feel the bony important prominences in the upper, the lower limbs and back.
- Palpate and feel the different muscles and muscular groups and tendons

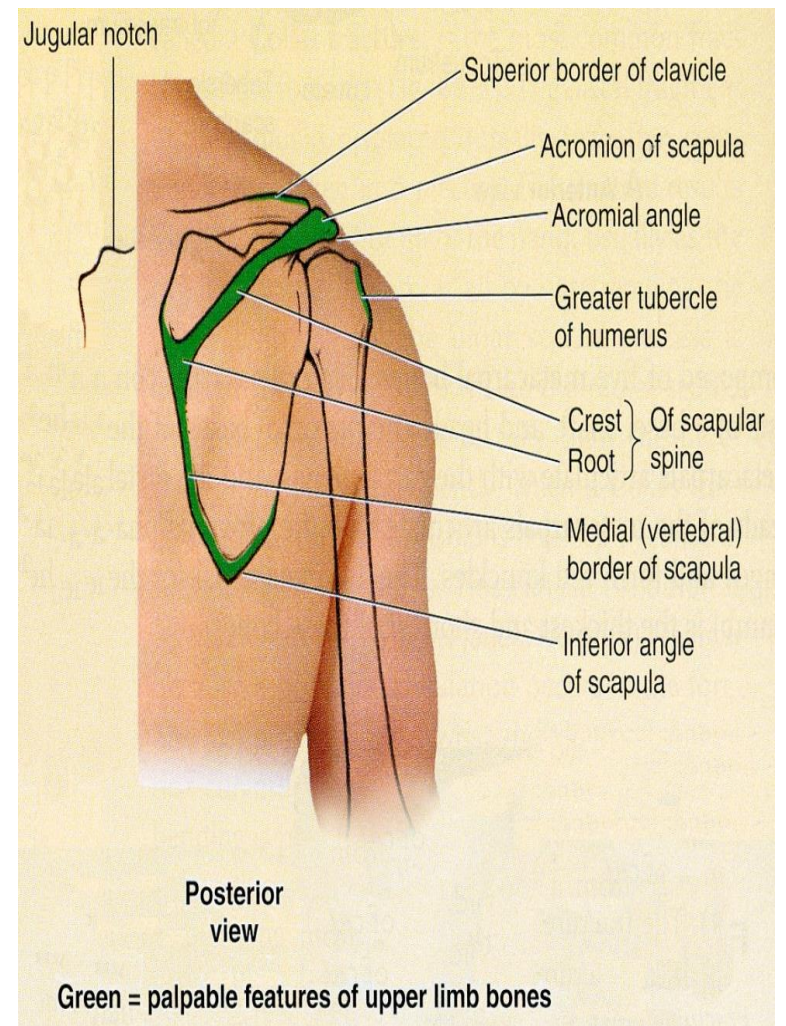
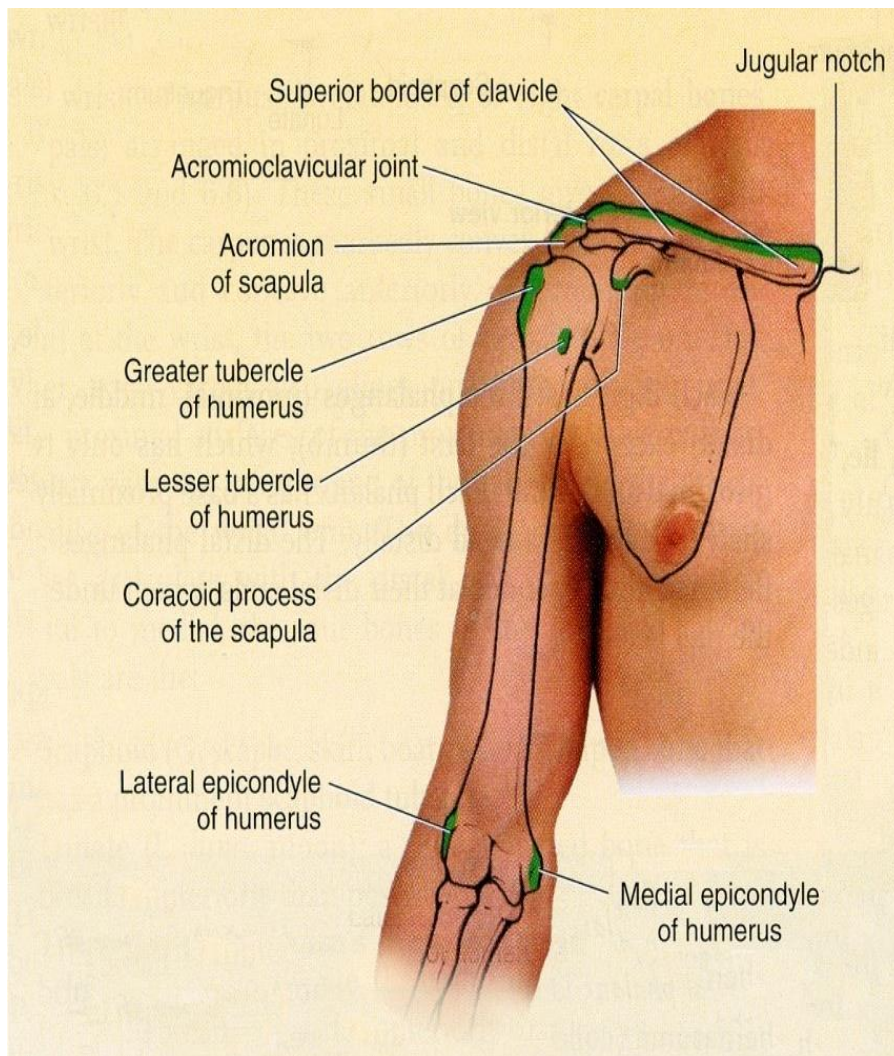
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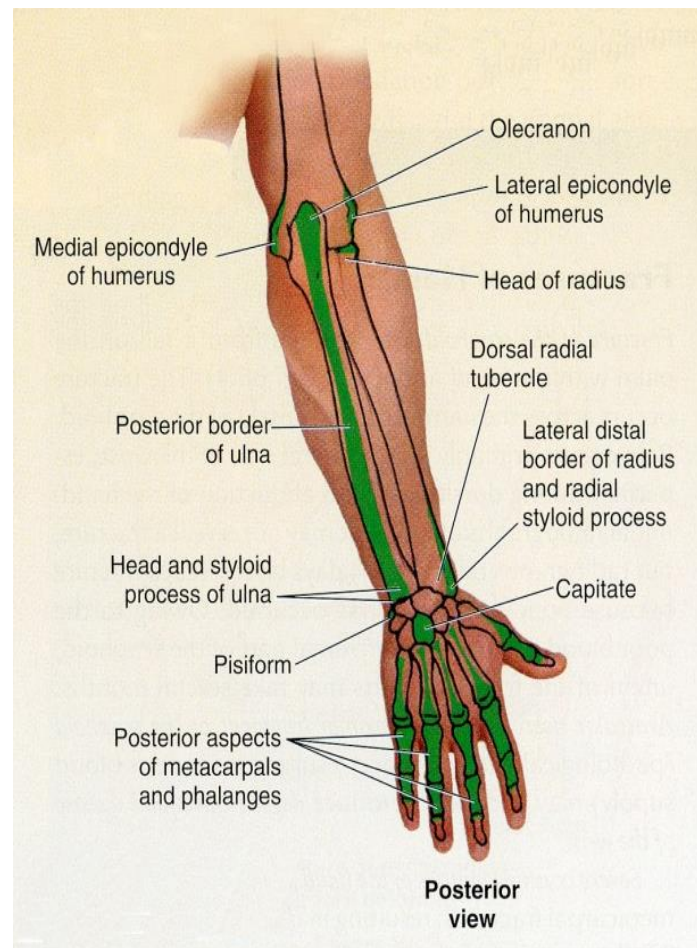
- Surface anatomy of upper limb bones.
- Surface anatomy of pectoral region and axilla.
- Surface anatomy of arm.
- Surface anatomy of forearm.
- Surface anatomy of hand
- Surface anatomy of back
- Surface anatomy of lower limb bones
- Surface anatomy of gluteal region
- Surface anatomy of thigh
- Surface anatomy of leg, ankle and foot.

Surface anatomy of upper limb bones

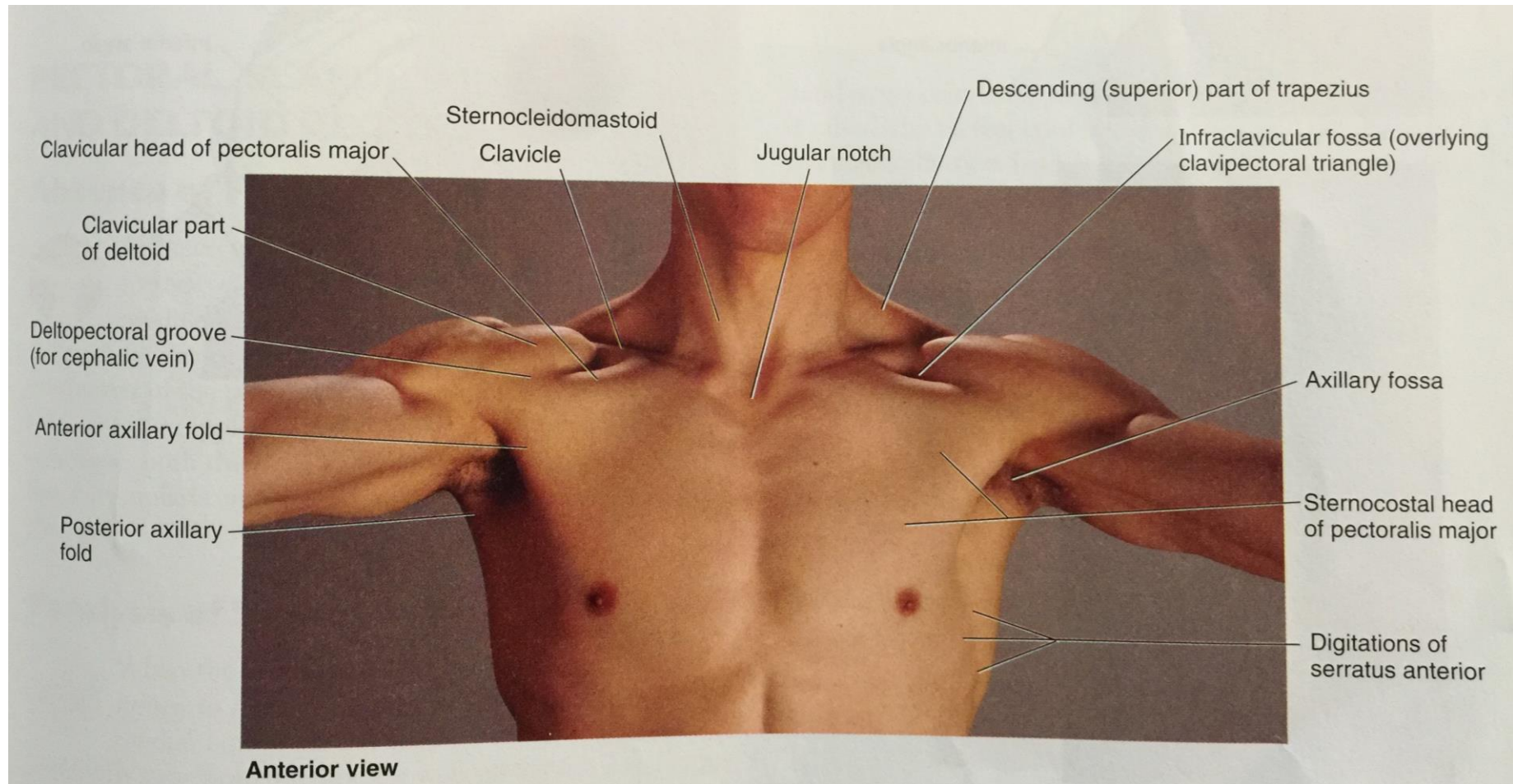
- Clavicle
- Acromion of the scapula
- Spine and medial border of the scapula
- Humerus
- Posterior border of ulna
- Radial Styloid process

- Pisiform, hook of the hamate, tubercles of the scaphoid and trapezium
- metacarpals





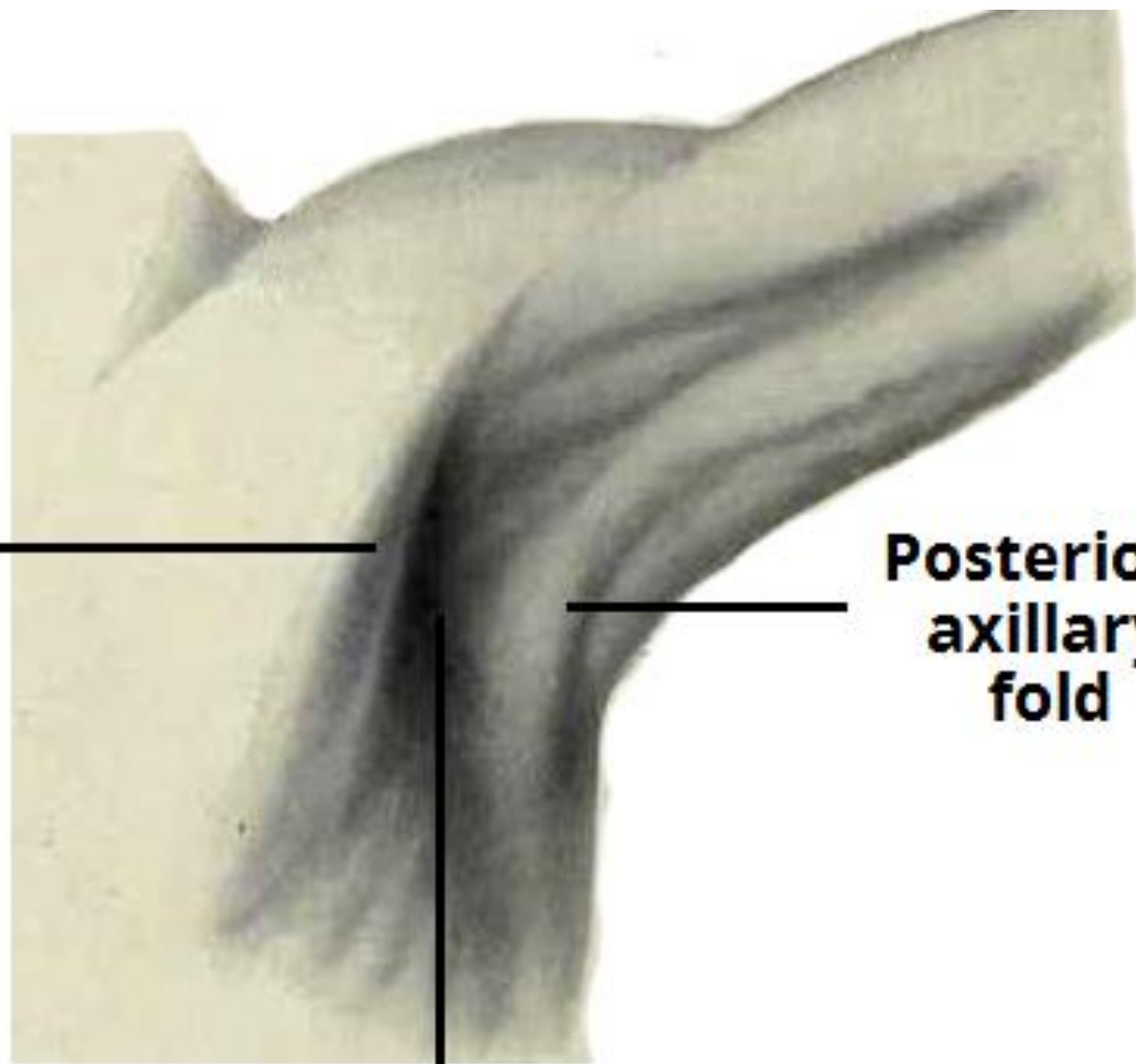
Surface anatomy of pectoral region and axilla



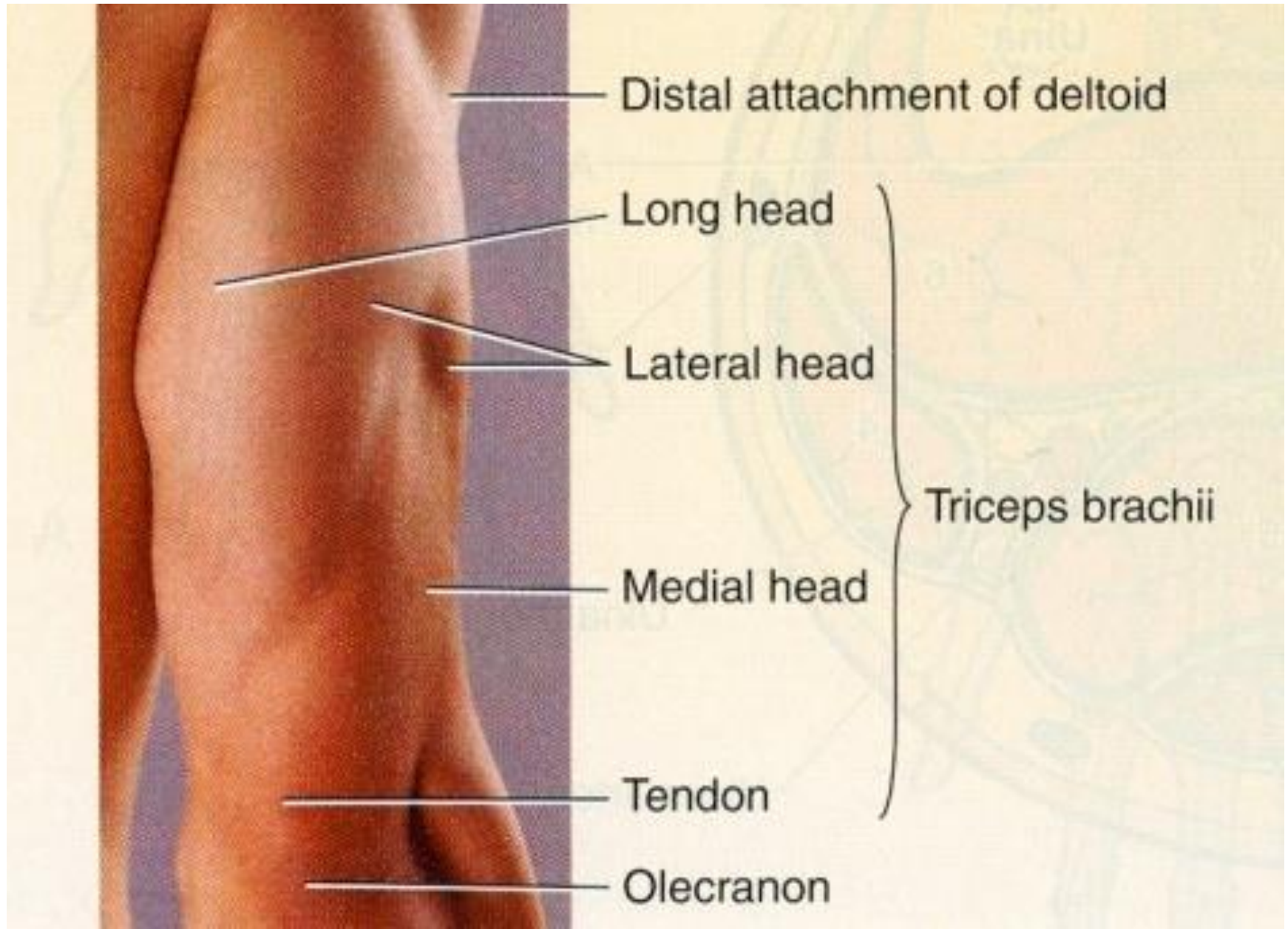
**Anterior
axillary
fold**

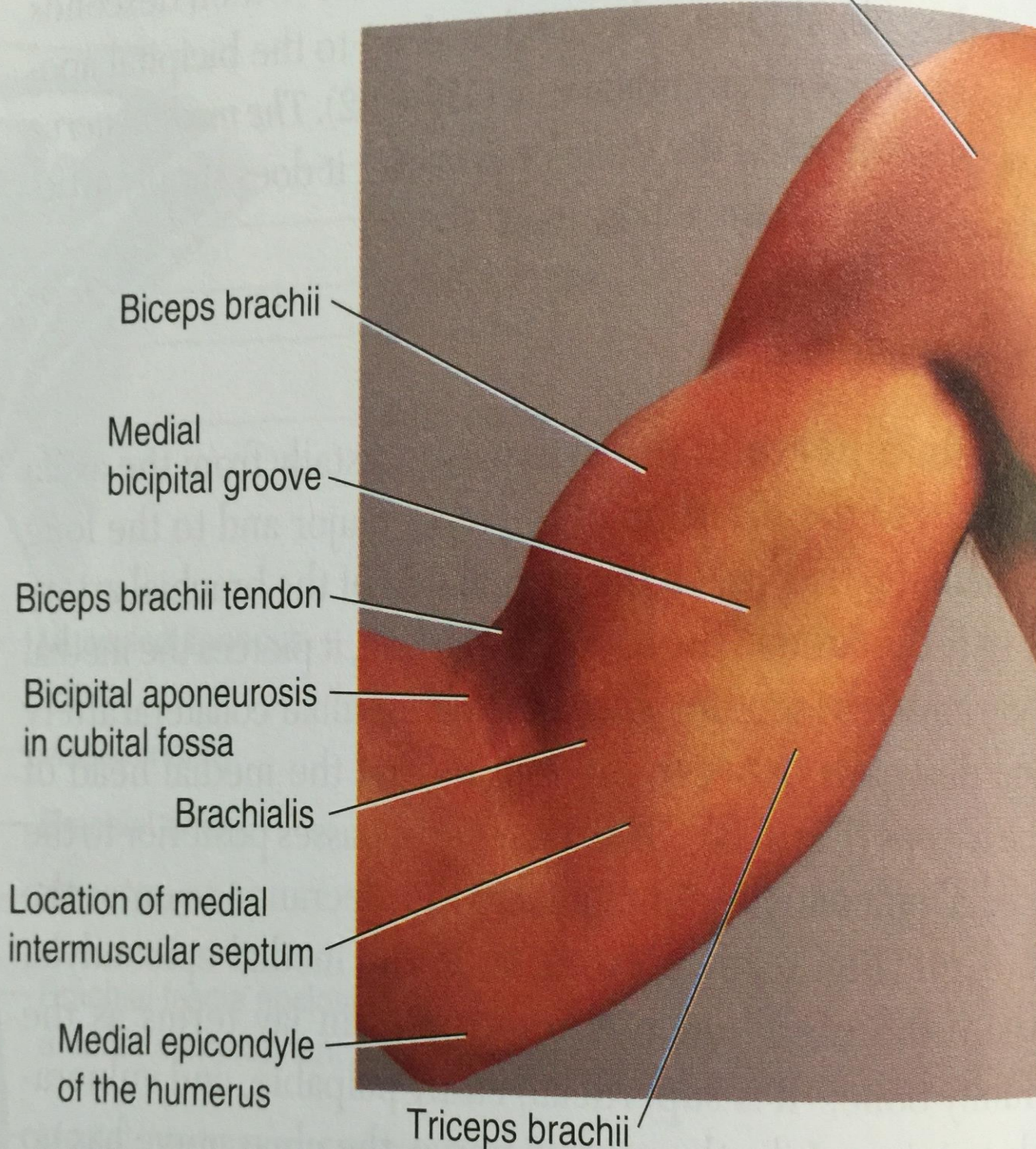
**Posterior
axillary
fold**

**Axillary
fossa**



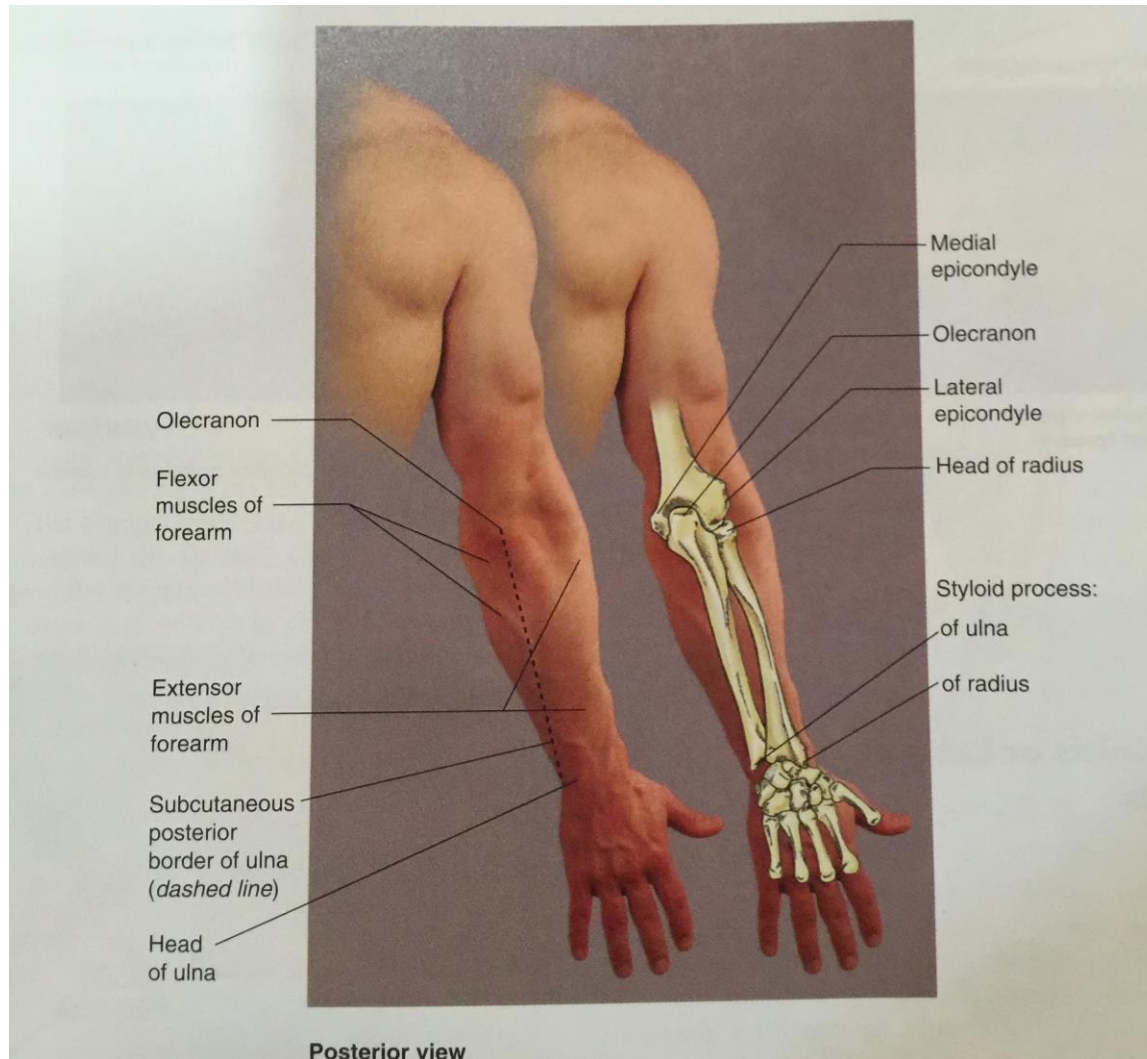
Surface anatomy of arm (posterior view)

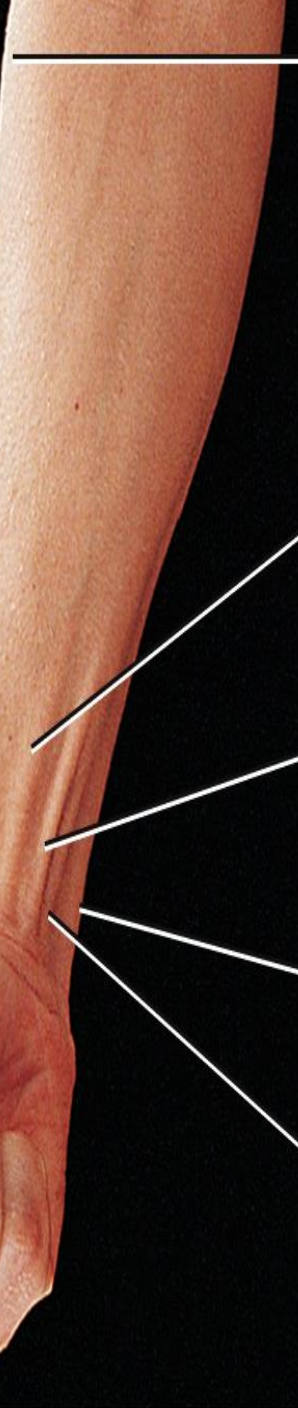




Medial view

Surface anatomy of forearm (posterior view)





BRACHIORADIALIS
MUSCLE

TENDON OF FLEXOR CARPI
RADIALIS MUSCLE

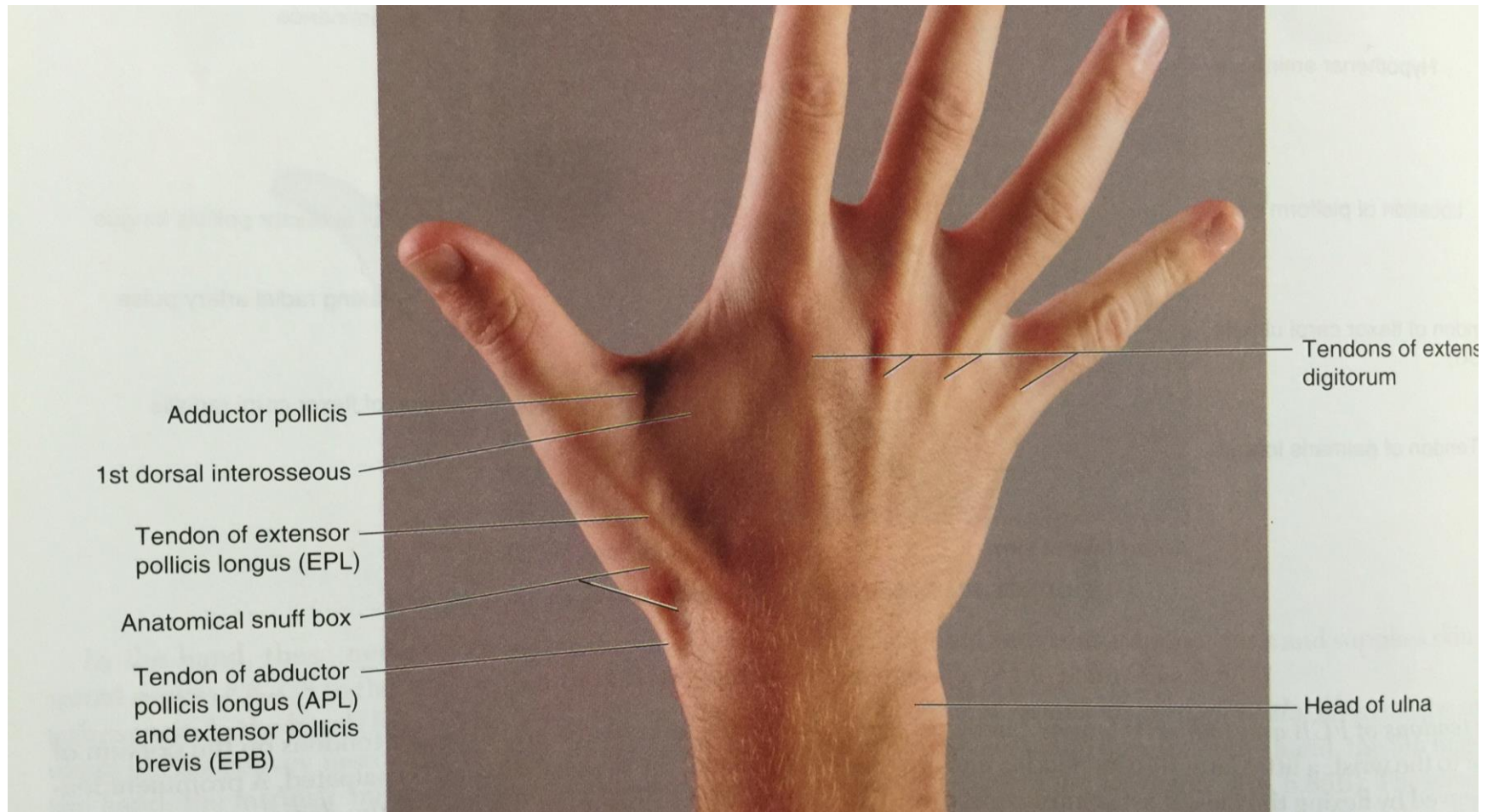
TENDON OF PALMARIS
LONGUS MUSCLE

TENDON OF FLEXOR CARPI
ULNARIS MUSCLE

TENDON OF FLEXOR
DIGITORUM SUPERFICIALIS
MUSCLE

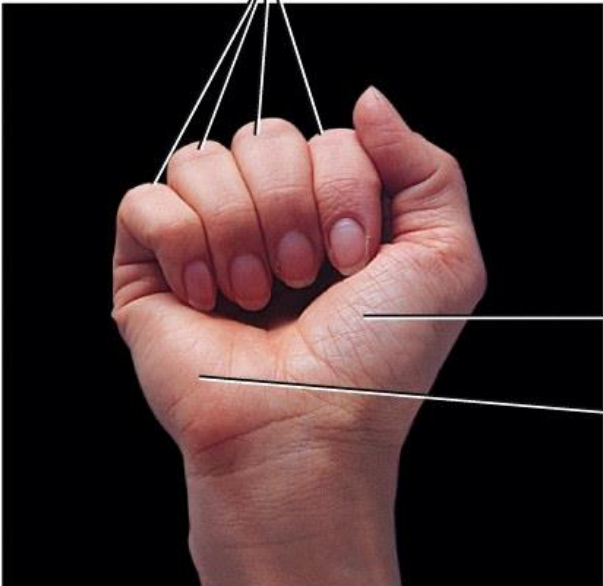
Anterior aspect of
forearm and wrist

Surface anatomy of hand



Dorsum view

KNUCKLES (proximal interphalangeal joints)

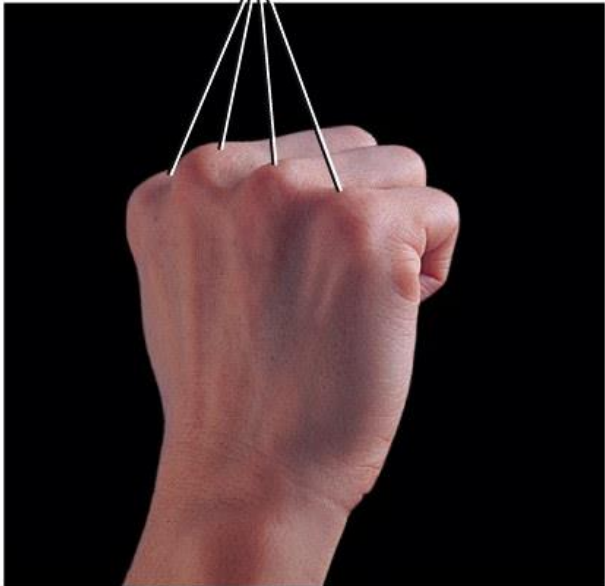


THENAR
EMINENCE

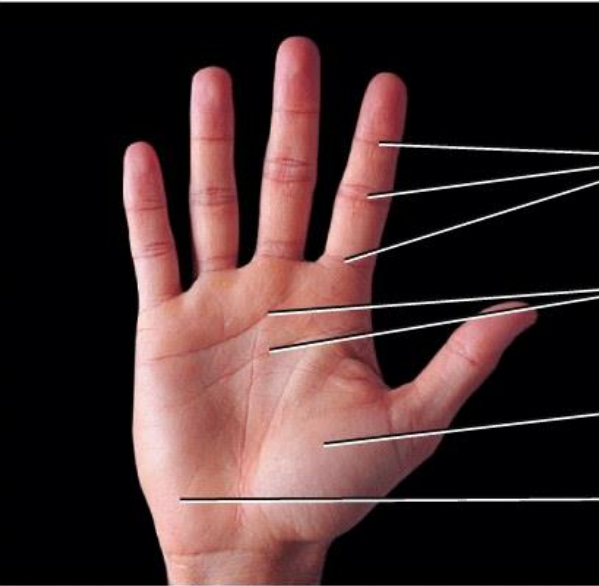
 HYPOTHENAR
EMINENCE

(a) Palmar and dorsal view

KNUCKLES (metacarpophalangeal joints)



(b) Dorsal view



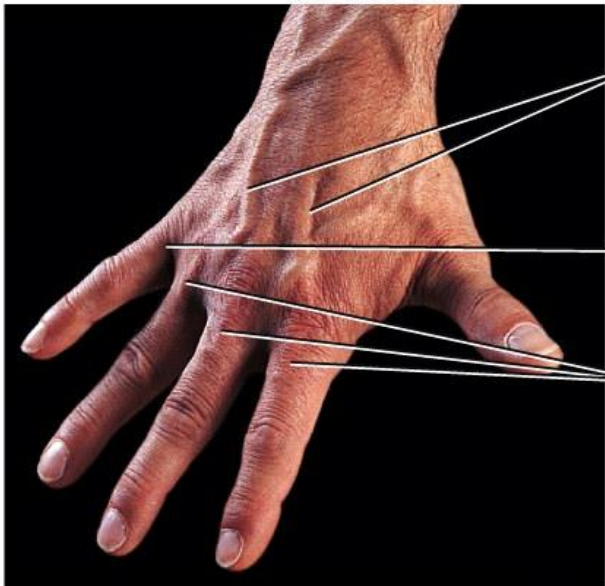
DIGITAL
FLEXION
CREASES

 PALMAR
FLEXION
CREASES

 THENAR
EMINENCE

 HYPOTHENAR
EMINENCE

(c) Palmar view



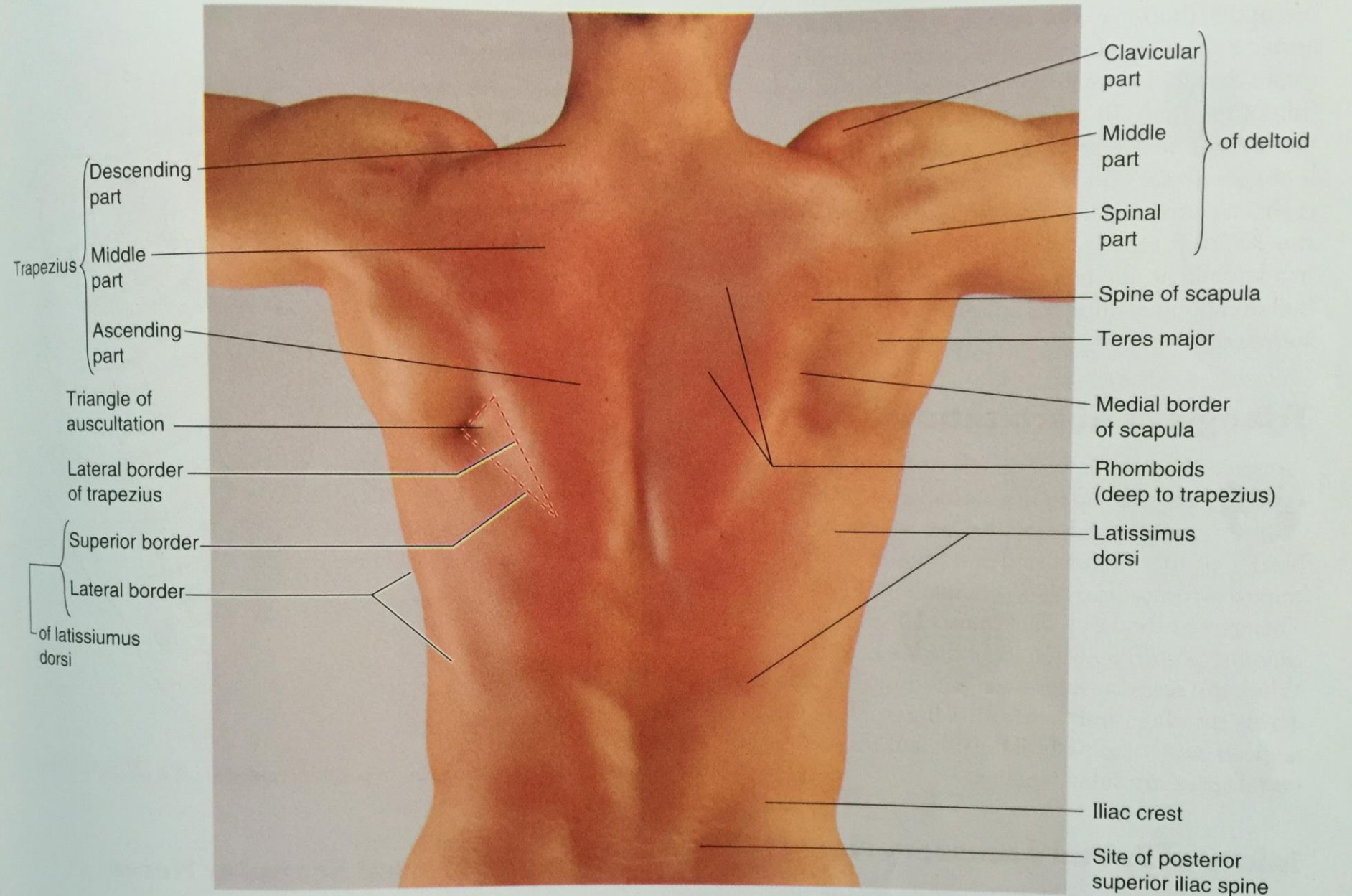
DORSAL VENOUS
NETWORK
OF THE HAND
(DORSAL VENOUS
ARCH)

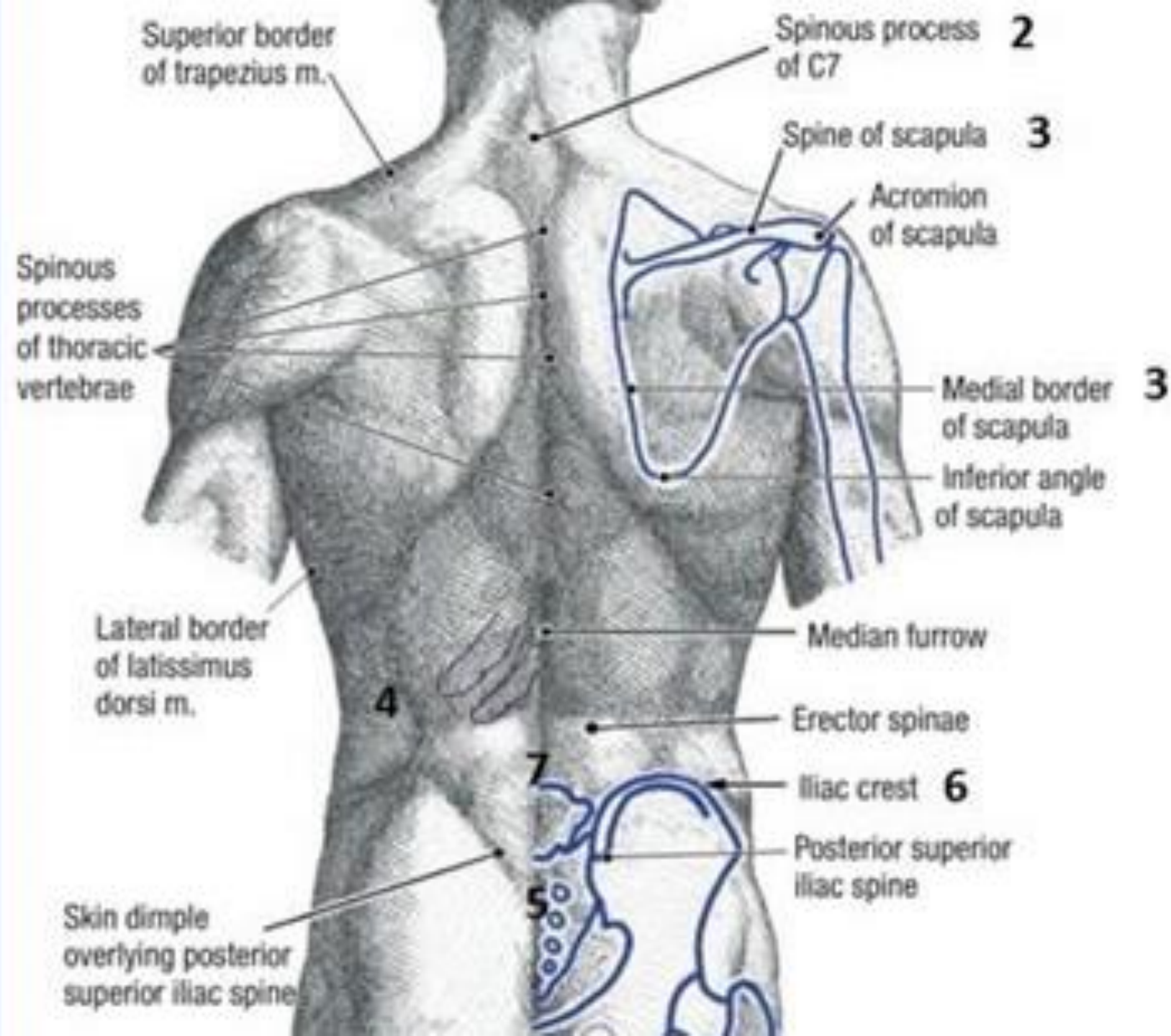
 TENDON OF
EXTENSOR DIGITI
MINIMI MUSCLE

 TENDONS OF
EXTENSOR
DIGITORUM
MUSCLE

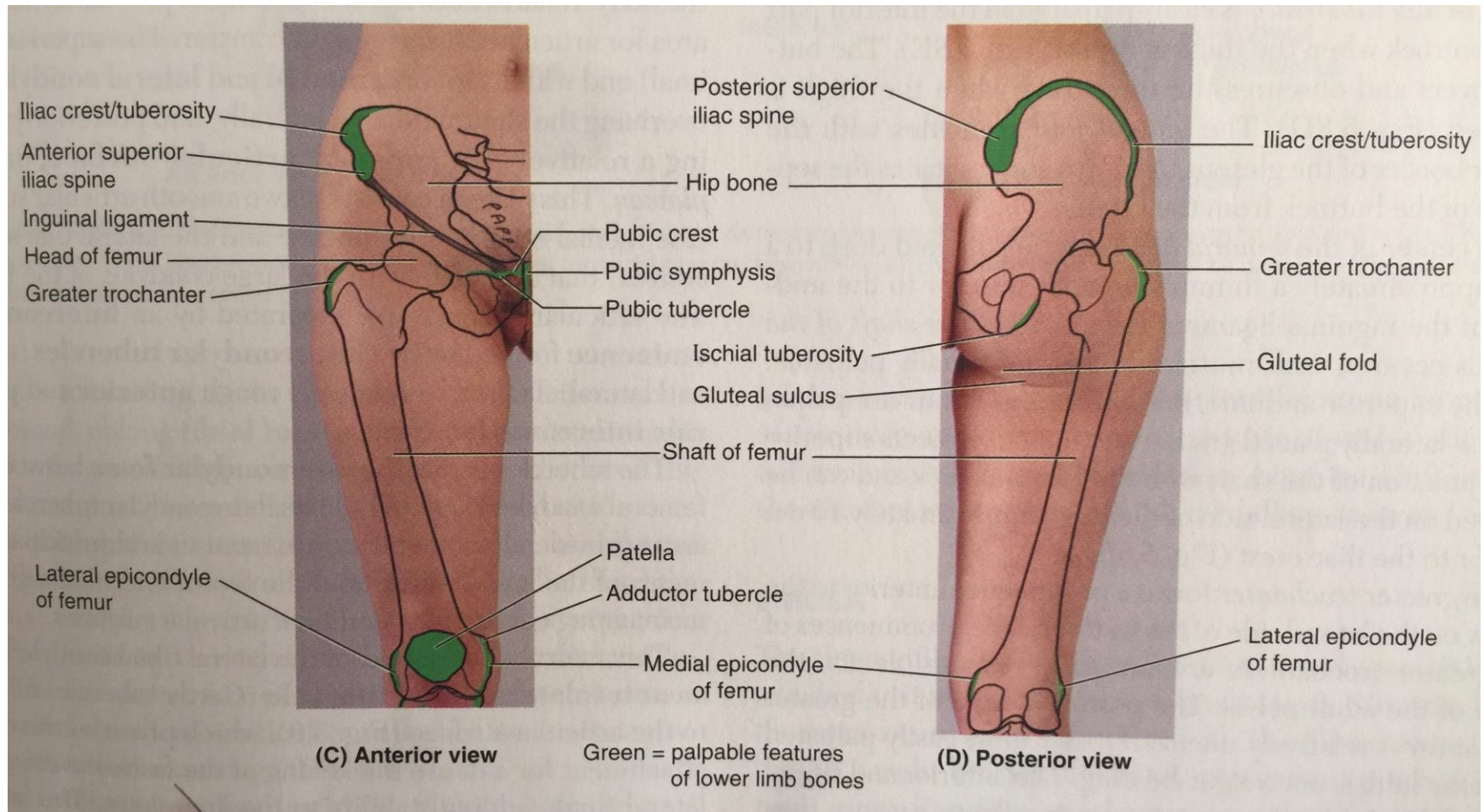
(d) Dorsum

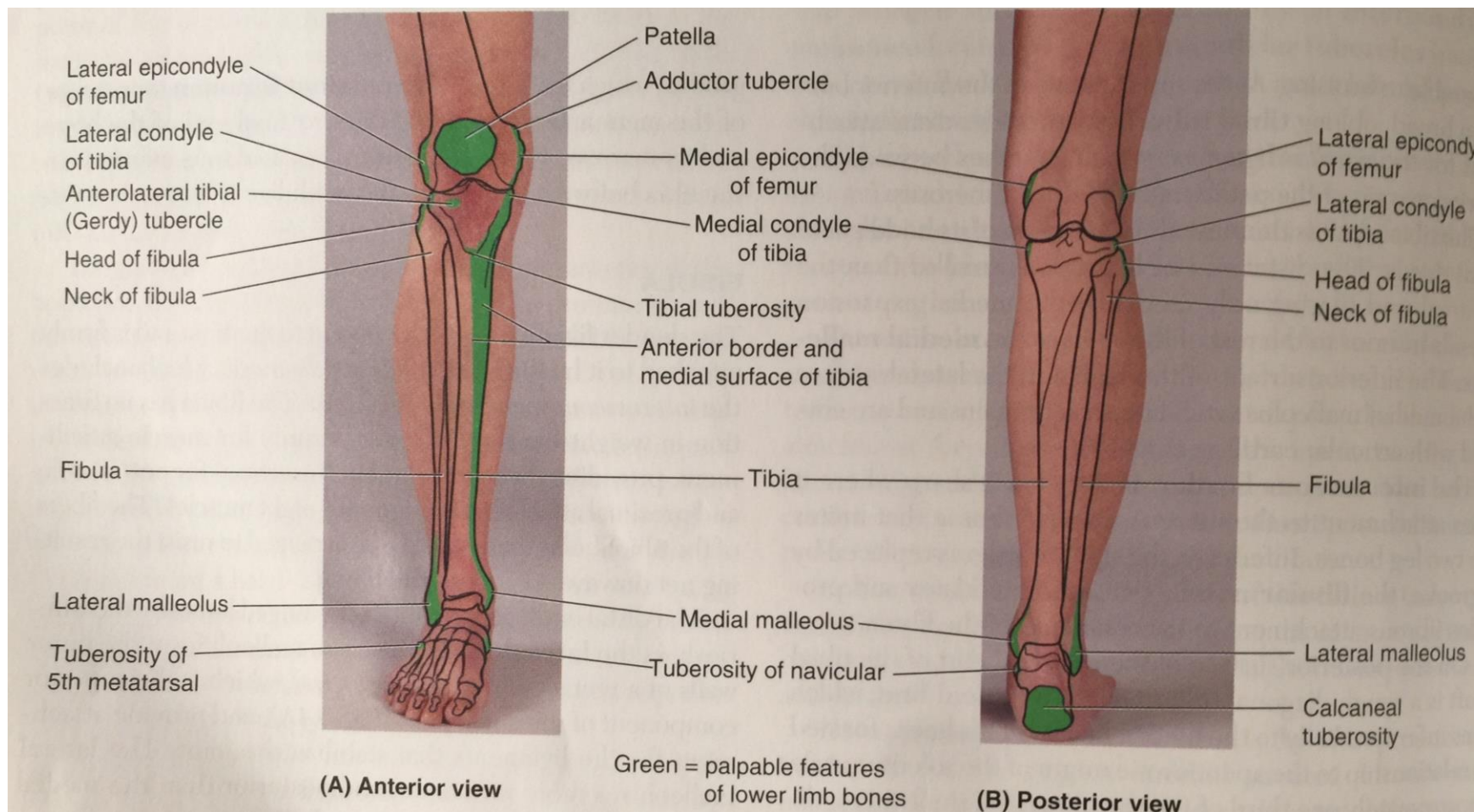
Surface anatomy of back



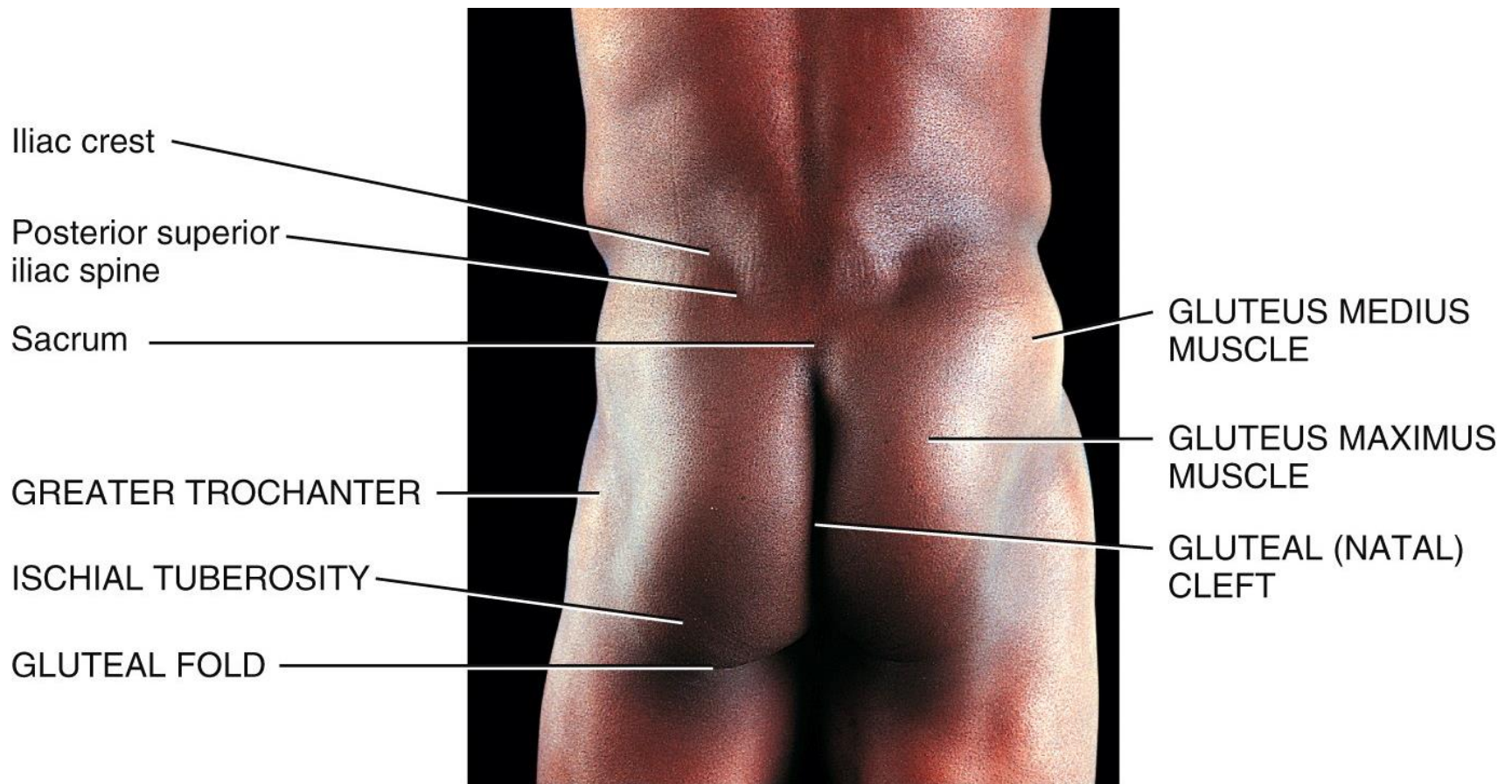


Surface anatomy of lower limb bones



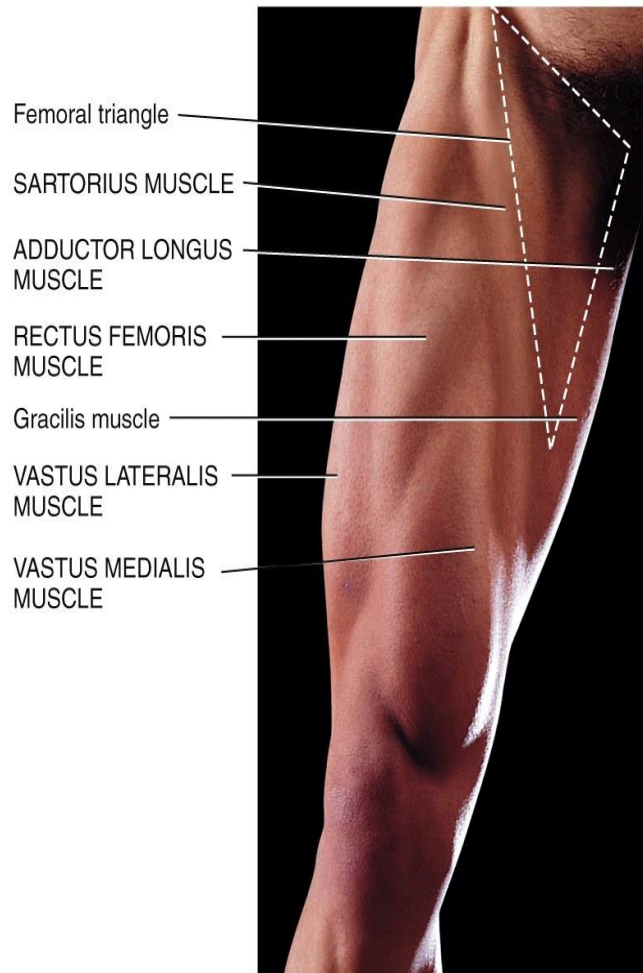


Surface anatomy of gluteal region

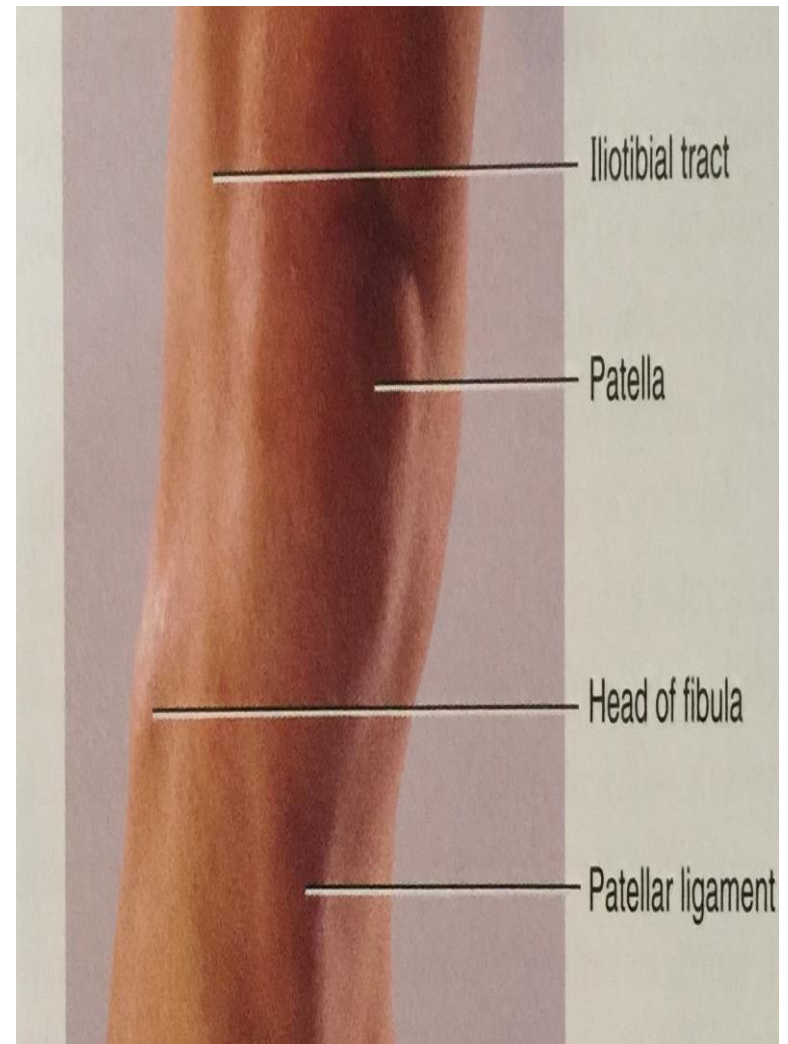


Posterior view

Surface anatomy of thigh



(a) Anterior view of thigh



SEMITENDINOSUS AND
SEMIMEMBRANOSUS
MUSCLES

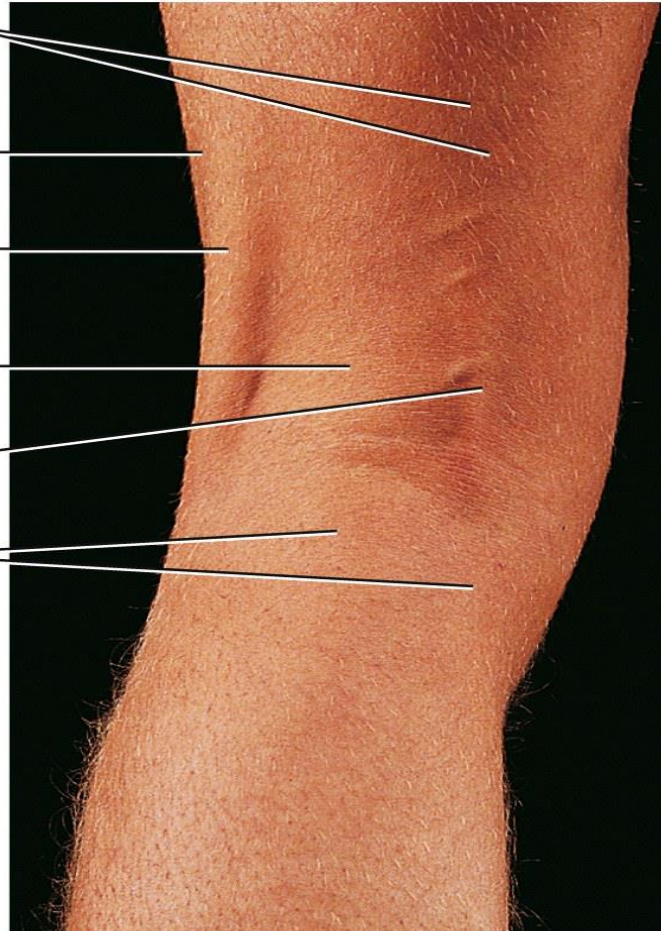
VASTUS LATERALIS
MUSCLE

BICEPS FEMORIS
MUSCLE

POPLITEAL FOSSA

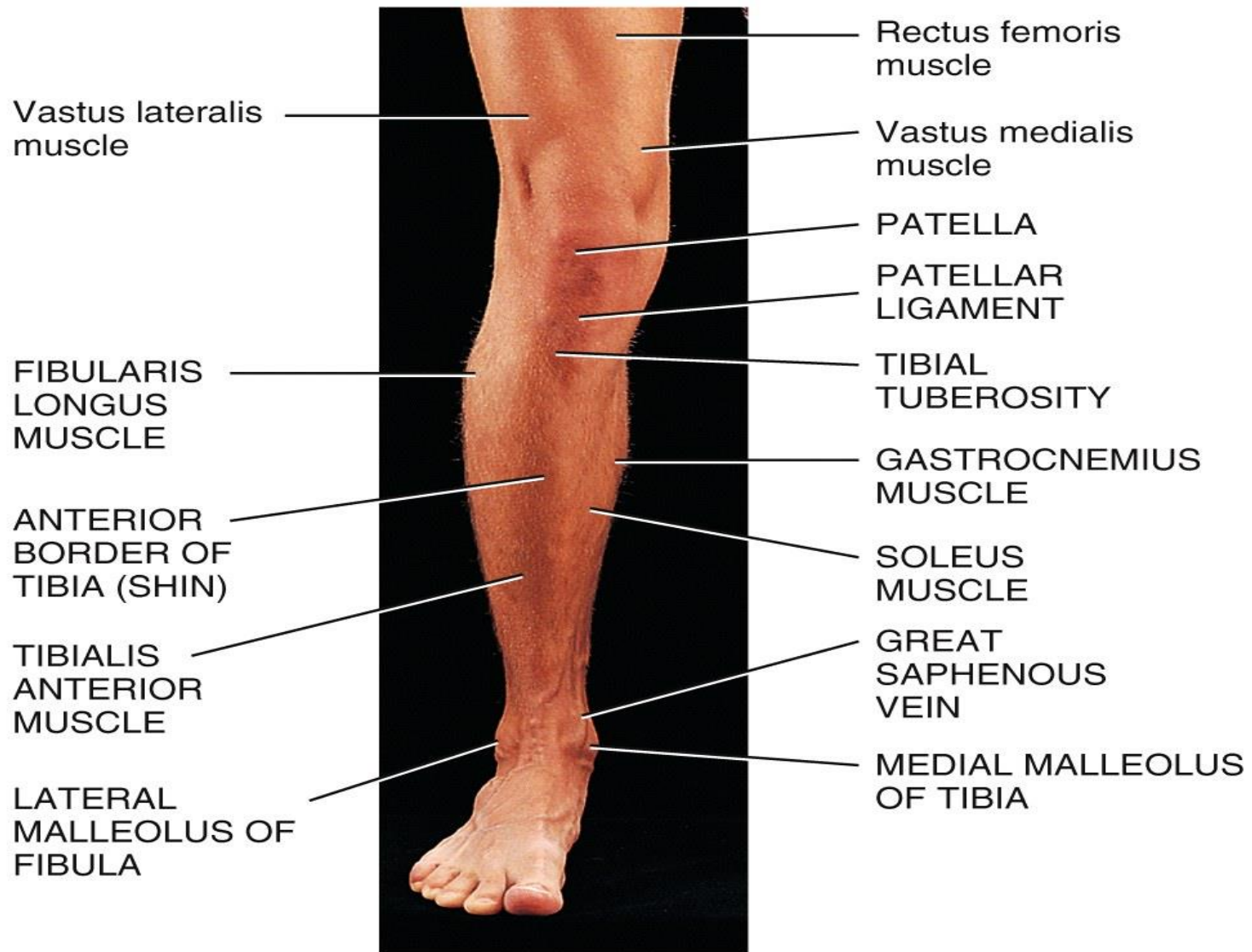
Tendon of semitendinosus
muscle

Gastrocnemius muscle
(medial and lateral bellies)



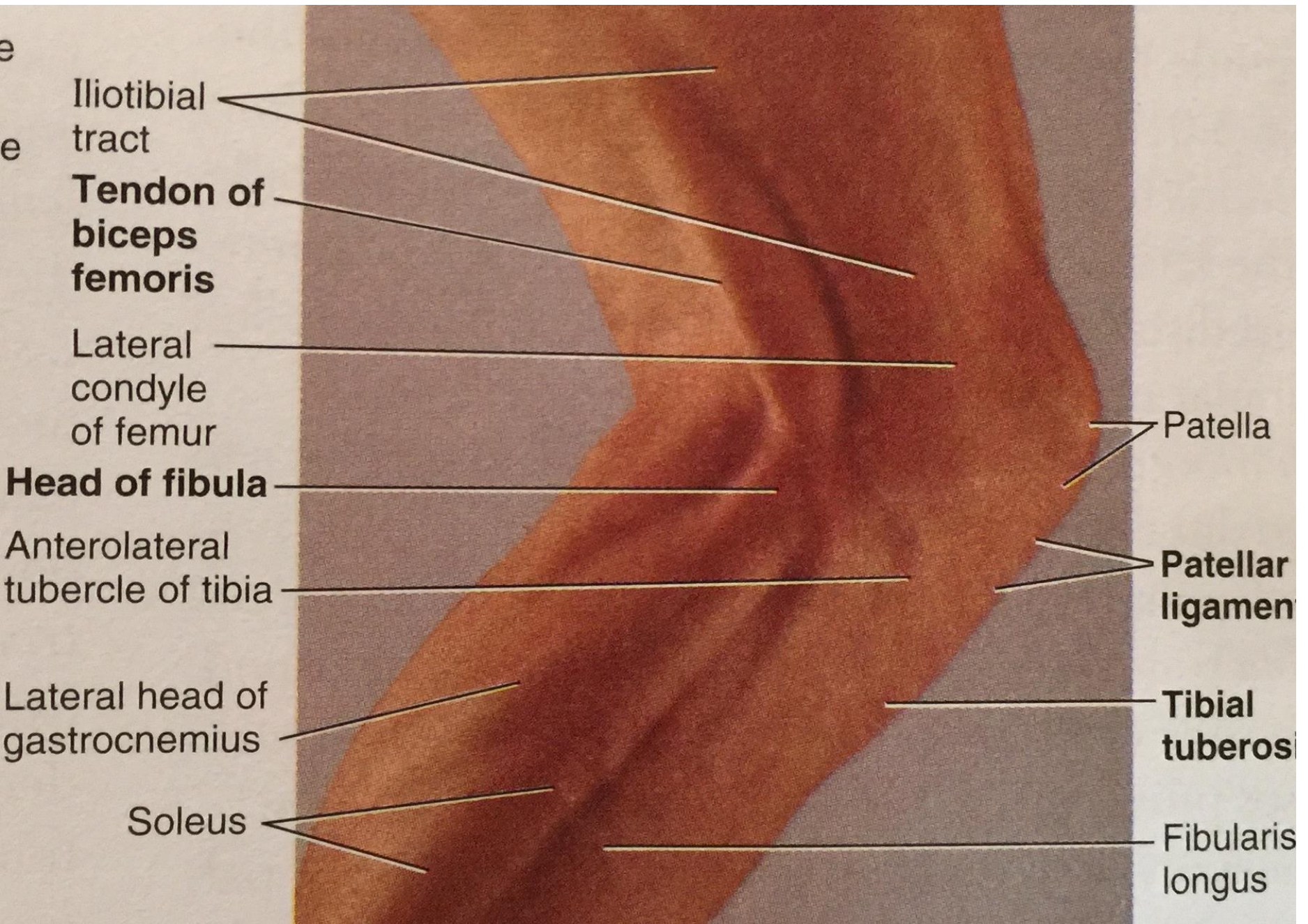
(b) Posterior view of popliteal fossa

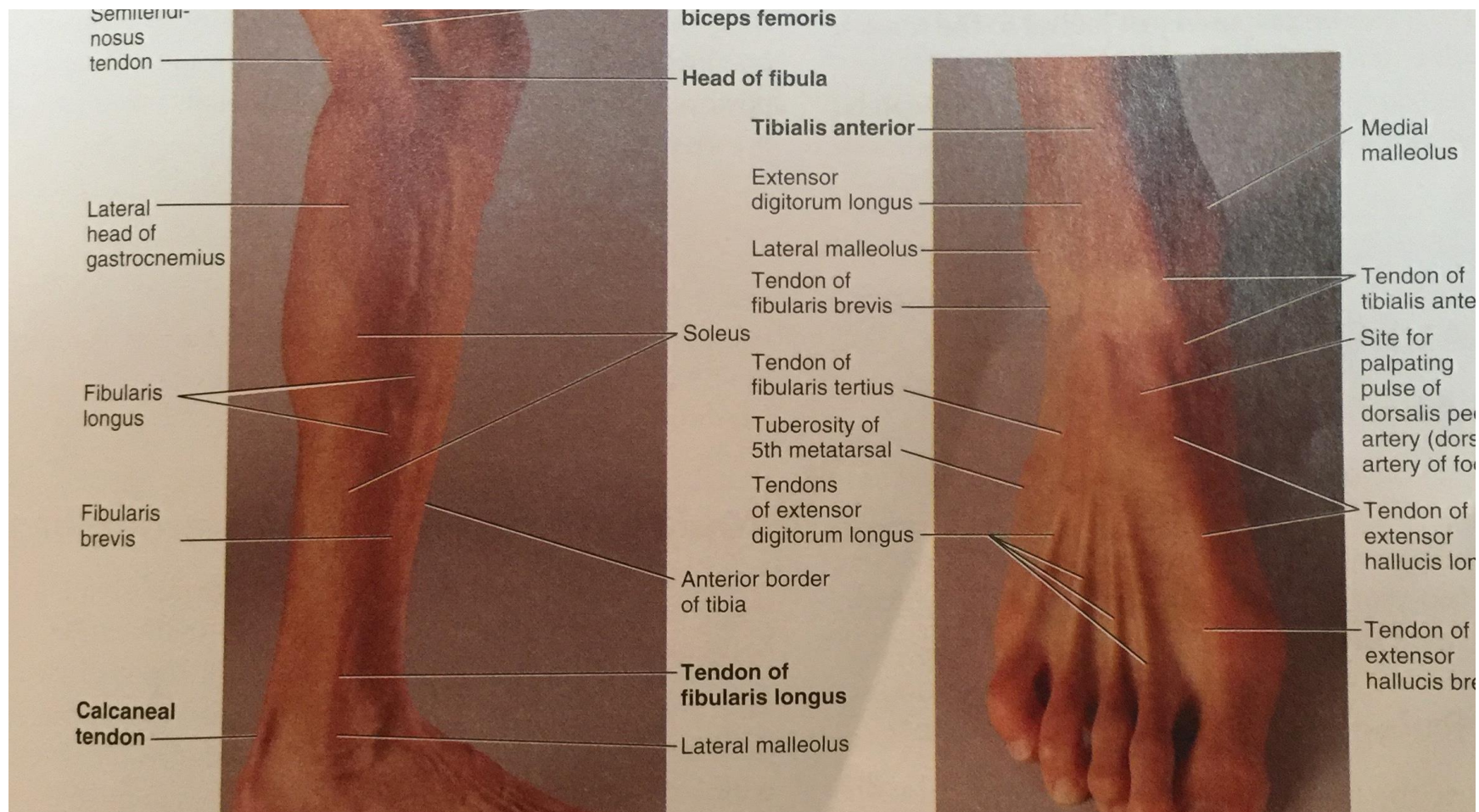
Surface anatomy of leg ,ankle and foot



(a) Anterior view of leg, ankle, and foot

Lateral view





REFERENCES

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(2010) .clinically oriented anatomy. Lippincott
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- 2-www.duke.edu
- 3-quizlet.com
- 4-teachmeanatomy.info

QUESTIONS??